

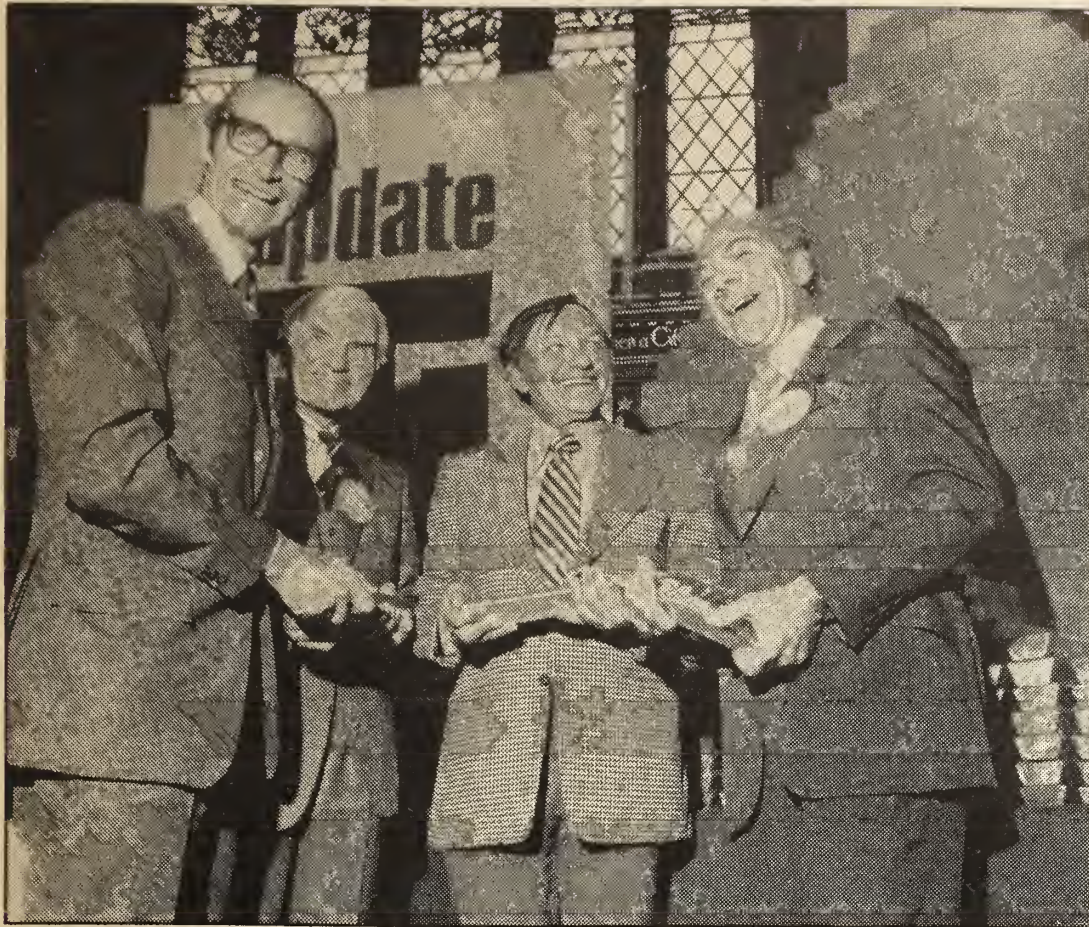
Bulletin

University of Toronto

Friday, September 24, 1976

No. 5

30th Year



From the left, President John Evans, Messrs. St. Clair Balfour, Frank Shuster, Murray Koffler and friends.

Gold bars on view at Update breakfast

U of T's Update campaign has raised \$5 million in pledges from major Canadian companies so far.

President Dr. John R. Evans made the announcement to a campaign breakfast at Hart House Wednesday, and to illustrate the point he unveiled a pyramidal stack of gold bricks before an awed audience of 200 campaign workers.

The contributions, collected from 64 companies by 17 canvassers since last April, represent one-fifth of the \$25 million total Update is aiming for.

The breakfast of grapefruit, scrambled eggs and fried chicken livers and sausages marked the end of the campaign's initial phase, which was aimed at major national corporations, and signalled the kick-

off for Phase 2, which will be directed at 1000 corporations in the Toronto area.

The heavily guarded gold bricks — 125 of them, loaned for the occasion by the Bank of Nova Scotia — were the function's chief attraction, and, in the estimate of one official, were actually worth \$1 million more than the occasion called for due to recent increases in the price of gold.

Among the head table notables were C. Malim Harding, honorary campaign chairman; St. Clair Balfour, co-chairman; Murray Koffler, vice-chairman; and, as a special guest of honour, U of T alumnus Frank Schuster.

Quipped Koffler after listening to the speeches: "John Evans could be the comedian here and Frank Schuster the University president."

Our current state and prospects:

On September 23, President J.R. Evans spoke in Convocation Hall concerning the current state and prospects of the University. The text of the presidential address follows.

It was the custom when I was an undergraduate, and even before that time, for the President of the University to make a welcoming address to the incoming students, in the course of which he would give them the benefit of his advice. This custom was abandoned towards the end of the 1960s because of an unaccountable failure of student appetite for advice. I have no reason to think that that appetite has revived. I have had the opportunity in the last few days for informal dialogues with students on the St. George Campus and at Erindale College, and I shall have a similar opportunity at Scarborough next Monday. I was asked for information, explanation, opinion and prediction — never for advice!

It did seem advisable, however, to inform the entire University community about the major issues that affect this campus at the present time. I welcome all newcomers to the campus, both staff

and students, and wish you well in your sojourn here. Perhaps it is no bad introduction for you to be plunged immediately into matters of importance to all of us.

Almost all the early presidential addresses of welcome mentioned the cosmopolitan nature of the University, as evidenced in the number of students who had gathered here from countries far and wide. It is a cliché in this University to state that the realm of learning transcends political boundaries, that true scholarship knows no frontiers save the frontiers of knowledge, and that the international flavour of the earliest mediaeval universities has not been lost, and must not be lost, here and now if we are to be worthy members of the worldwide community of higher learning.

Yet the pressures in this country and in this province towards greater parochialism are numerous and strong. The Government of Ontario is asking us to increase nearly threefold the tuition fees charged to students who are not Canadian citizens or landed immigrants. This is a matter of the keenest concern to all of us. If the

University refuses to increase the fees of visa students in the way the Ministry of Colleges and Universities has asked, our operating grants from the Ontario government will be \$2.4 million less, at a time when the University already faces very severe financial difficulties. It therefore seems almost inescapable that the fees must be increased. Yet the enrichment of other cultures is important to the academic strength of the University. In addition, this University is particularly concerned with the impact of increased tuition on the participation of students from poor countries. Students on specific Federal Government exchange programs will not be affected, but we believe that there is a clear obligation on the Canadian provincial and federal governments to broaden the eligibility for assistance to a larger number of students from developing nations in order to make it possible for such students to attend Canadian universities; many Canadian students have benefitted and will continue to benefit from study in foreign universities.

Continued on Page 3

Governing Council review recommended by President

At the end of the current academic year, when the Governing Council will have operated for five years, a review of unicameral government at the University should be undertaken, President John R. Evans suggested to the first council meeting of the 1976-77 session, Thursday, Sept. 23.

Such a review, the President said, should be carried out by a well-informed individual or group from outside the University. It would be useful both for U of T and for other institutions to ascertain unicameral government's suitability as a model, he said.

At the meeting, the first to be conducted by the new Chairman, Mrs. Marnie Paikin, Dr. Evans also asked for and received Council approval of the appointment of Dr. Keith J. Dorrington as Vice-Provost for Health Sciences until June 30, 1979. (See story page 7)

The new Athletic Building has been approved by the Ontario Municipal Board, the President said, however the University's neighbours, by refusing to consult with the City on the building's design until approval has come from the Ontario cabinet, have further delayed the start of construction, with resulting increases in costs.

The University has "decided objections" to the proposed amendment to the City's Official Plan, he said, because the proposal does not give sufficient flexibility

to the University in its own planning. The University will maintain its stated policy not to expand in the Huron-Sussex area, he said.

The President informed the Council that the Anti-Inflation Board had approved all salary decisions made by the administration in time for the August 1976 payroll, including the University's opinion that a progress-through-the-ranks component should be considered a discretionary merit increase and therefore outside the guidelines.



Dr. K.J. Dorrington, new Vice-Provost for Health Sciences (see page 7)

Concerning a provincial government recommendation that tuition fees for immigrant students be raised by some 300 percent, Dr. Evans said that the plan would

Continued on Page 6

Governing Council — Sept. 23

- Appointed Dr. K.J. Dorrington as Vice-Provost
- Revised Planning and Resources Subcommittee structure
- Extended term of Ombudsman by six months
- Authorized participation with incorporation of University Teaching Hospitals Association
- Authorized additional areas eligible for Connaught Development Grant Funds
- Approved purchase of Sigma 9 computer system for U.T.L.A.S.
- Approved Gwen Russell and John Tuzyk as co-opted members of Internal Affairs Committee

INTERNAL AFFAIRS

Year's business discussed

The first meeting of the Internal Affairs Committee took place last Tuesday, Sept. 21, under the chairmanship of John Burnes, third year Arts student at University College.

Other members of the committee are Sally Henry (alumna and co-chairman); Keith Bowler (administrative staff); Gordon N. Fisher, June Surgey and Rose Wolfe (government appointees); Jonathan Gentry (part-time undergraduate); Prof. Peter H. Salus (Humanities) and Prof. R.M. Baxter (Pharmacy). Two additional members, Gwen Russell (administrative staff) and John Tuzyk (student) were co-opted at Tuesday's meeting.

The calendar of business this year includes the following items: develop proposals to assure freedom of speech and assembly on campus; develop a policy concerning outside tenants occupying

University buildings; vote on the candidate named by the search committee for the Warden of Hart House; consider applications for incorporation of student societies; consider proposals for maintaining better relations with local and ethnic communities; review the incidental fees policy; establish guidelines to ensure that the Health Service becomes self-financing by 1978-79; explore alternative sources of funding for the Campus as Campus Centre project; and monitor changes in the athletic department resulting from the amalgamation of men's and women's athletics.

The committee may also be asked to review the existing policy on recognizing campus groups.

The Internal Affairs Committee meets monthly, on Tuesday afternoons at four o'clock in the Council Chamber. The meetings are open.

FORUM

Reforms carried out without consultation

To the Editor:

Professor Daniels, who is perfectly capable of defending himself, has asked me, as a member of last year's UTFA executive, to respond to Dean Etkin's letter published in the *Bulletin* of September 17.

Fundamentally, Dean Etkin has confused the Report of the Presidential Pension Review Committee, which he chaired, with the reforms of the Pension and Life Insurance Plans that were

actually carried out this past summer. While the Faculty Association was, of course, represented on his committee only a few of its recommendations — and these were largely housekeeping matters necessitated by changes in the Law — were implemented.

The point made in the UTFA Newsletter that was confused by Dean Etkin is that the selection of the "reforms" — some of which left certain Faculty members considerably worse off — was

carried out arbitrarily, i.e. by the Governing Council and its administration with token reference to the Faculty Association.

Similarly the lack of judgement regarding the timing and manner of implementation of the "reforms" was exercised without any form of consultation with the UTFA executive.

Michael G. Finlayson
University College

United Way will seek 10 percent increase

Under the leadership of Frances Halpenny and David Scott, the University's United Way Campaign is set to get underway on Sept. 27 with a goal that amounts to a ten percent increase over last year's total of \$150,000.

Halpenny, Dean of the Faculty of

soon to sign pledge cards, which authorize payroll deductions, or to donate a cash gift to the Campaign.

U of T staff have "the best proportional volume record of support among educational institutions — not only in Toronto, but also across Canada," reports a United Way official. The organ-

izers hope we will maintain that record.

The United Way supports many health, welfare and recreational services, including the Red Cross, the Boy Scouts, the Canadian National Institute for the Blind, and the University Settlement.



Library Science, and Scott, a professor in the Department of Physics, will lead several hundred volunteer co-ordinators in the Campaign, which will end Nov. 8. The rest of us will be approached

President endorses campaign

The staff of the University of Toronto can take pride in the achievements of our United Way Campaign on campus. Despite these successes, however, there remains a critical need for greater participation to meet the \$16.5 million goal of the health and welfare and recreational organizations providing much needed services throughout Metro.

Our own campaign team is under the leadership of Dean Frances Halpenny and Professor David Scott and I hope you will assist them in their task by a generous response.

President John R. Evans

BRIEFLY

Erindale College is celebrating its tenth anniversary with "Erindale Week", from Oct. 16 to 24. The generosity of the collection of lectures and social events being staged imitates the generous boundaries of the "Week".

Football Blues' versatile coach Ron Murphy could have been found Wednesday, Sept. 22, after the Update Breakfast, directing a unique football game. Members of one of his physical education classes kicked around a giant football, which will be used in days to come to advertise the student

Oktoberfest on Oct. 1. Proceeds will go to an Update project — the Campus as Campus Centre.

This year the School of Architecture and Department of Landscape Architecture, Faculty of Forestry, begin a new look in exhibitions. In the School's increased gallery space they will hold major exhibitions of the work of architects, landscape architects and groups of students from the two disciplines and, at the same time, exhibitions of drawings, photographs and other material. The first of these double

exposures is on view now and will be to Oct. 6. *By the Beautiful Sea, You and Me* are photographs of English seaside life and architecture by James Lehto. *An Architect at Large* is an exhibition of works of art and artifacts selected from the private collection of Dr. Thomas Howarth. The show will consist mainly of objects from the Pacific-Bali, New Guinea and Australia.

The gallery in the School of Architecture, 230 College St., is open from 9 a.m. to 6 p.m. on week-days.

The Club of Gnu is about "Futures" in any shape or guise. It meets for discussion every Wednesday from 12 noon to 2 p.m. in the New College Senior Common Room, 136 Wetmore Hall. A luncheon of wine, cheese, sandwiches and assorted desserts is available upon payment of \$2.

In a present that has been characterized by such phrases as "rigid conformity" and "crass commercialism", the Club of Gnu looks at the future with an informal association of individuals from disparate disciplines who pay no membership fees. Anyone interested is welcome at the weekly Wednesday meeting. If you would like more information about the Club of Gnu, telephone 978-2461.

Professor Jamshed Mavalwala of the Department of Anthropology (see story on page 7), is a specialist in Dermatoglyphics and the bulk of his research in recent years has been devoted to helping to diagnose congenital birth defects in newborn babies through examination of the infants' thumb and index finger prints.

The digits are formed in the third month of fetal life, he says, and the prints are sensitive indicators of early trauma.

FEAR & LOATHING AT THE U OF T



The 1976 Handbook

If this is the cover, what's inside?

by Sheila Robinson Fallis

Once again the SAC Handbook has appeared, and once again it has shouldered the burden of telling it like it is at U of T. And in the rest of the world too. ("Yes, the real world is cruel, and it's take-what-you-can out there...")

The unsuspecting freshman is warned in the first few pages that the University is run on deadlines (that's bad) and that SAC is run for students, by students (that's good).

In addition, he is given the obligatory chapter on survival, to prepare him for the trials and tribulations of attending a giant bureaucracy masquerading as a university. The Handbook points out many times and in many repetitious ways, that you can hardly see the campus for the red tape, that thousands don't survive registration, that classes are getting too big, that the faculty care only about themselves, that the social life stinks, that there's not enough student aid and that, even if there were, there's no place to live once you get here. Or, as editor Elliot Milstein succinctly puts it, U of T "is in the beginning of its decline."

Twenty pages are devoted to Chapter 3, which is entitled simply Money. Here the reader learns about cutbacks and SAC's never-ending struggle to ascertain the hard facts about the budget. "Of course, once all the answers are in, they are soon converted into statistics and then where are we? No better off. Well, yes and no. At least this time SAC has the hard facts behind the soft ones. It's all right as far as it goes but it doesn't go far enough." Need anything more be said about cutbacks?

In the same chapter there is an exhaustive discussion of careers which begins: "I hope that all University students realize that there are more careers than the four listed here", namely; law, medicine, dentistry and teaching. Is it mere coincidence they appear in the chapter on money?

The most useful sections of the handbook are those which deal with student services, athletics, bookstores, theatres both on and off campus, cheap restaurants, and yes, churches, synagogues and temples.

The information on housing is particularly good. The book describes all types of housing, from residences to apartments and boarding houses. There are even some tips on what to watch out for when you're renting, and a brief discussion of some of your legal rights as a tenant.

The most annoying aspect of the book is the editor's belief that editorial comment is suitable whenever and wherever the spirit moves him. As a result you get sections like the one on FEUT, in which the writer tells students that "Many (teachers) are transients, hardly interested in devoting even a few years to their work".

What saves the Handbook is its sense of humour. Although you have the feeling you've read some of these jokes before, there are enough new ones to make perusing the book worthwhile.

One phony ad reads, "Got your BA and can't find a job? Have you ever given a thought to the world of dictatorship? You too could institute a coup d'etat in a small African or South American country."

TYP Task Force deadline now Oct. 12

The deadline for receipt of written briefs by the Transitional Year Program Task Force has been extended to Tuesday, Oct. 12.

All briefs should be submitted to the secretary of the task force, Miss Dorothy Robertson, Room 216, Simcoe Hall.



UNIVERSITY
of TORONTO

Bulletin

Editor: Don Evans
Assistant Editor: Linda Wright
Copy Editor: Margaret MacAulay
Production Staff: Cheryl Hennessey, Doris Adler

Elizabeth Wilson: Director

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Interest on salary increases \$7,500

The University has determined the value of the interest that might have accrued on the salary increases which were delayed until the August pay. That figure has been estimated at \$7,500.

The staff will also be interested in knowing that the University made arrangements with the carriers of our Group Life and Long Term Disability Insurances that, in the event of any claims under these policies, benefits would be payable on the basis of the finally implemented increased salary. However, no deductions for these benefits were taken from the retroactive increases included in the August pay even though the University will have to pay the higher premium cost to the carrier, which amounts to \$6,926.

Robert F. Brown
Director of Personnel

President comments on state and prospects of U of T

Continued from Page 1

It seems desirable for all the Ontario universities to adopt a common policy in response to the government's action, and we are consulting with the other universities of Ontario to this end. If we must pass on the increase to the students — which, as I have said, seems almost inevitable — we must make every effort to increase the fellowship support available to those from disadvantaged countries and to the exceptionally able who could not otherwise afford to come.

Another area where there is governmental pressure against cosmopolitanism is that of appointments to the teaching staff. There are disciplines where it is necessary for the University to look everywhere to find persons of suitable quality. This is particularly true of senior appointments. In the case of junior appointments, however, I believe that it is incumbent on us to make the strongest possible efforts to seek out highly qualified candidates who are Canadian citizens or landed immigrants and to ensure that they are given primary and careful consideration when appointments are made, especially now that such appointments are few and far between in most disciplines. With the academic market depressed, the Canadian "green Ph.D." finds that his competition may include senior people with long experience and a string of publications to their credit. Department chairmen, although they may be tempted by such qualifications, should take a longer look at the future shape of their department. If they recruit senior people for junior positions they will worsen the already skewed age distribution of our teaching staff. Moreover, word of the lack of academic positions has already contributed to a drying up of the pipeline of new enrolments in doctoral studies. It is very important to the entire fabric of higher learning that academically first-class students should not be discouraged from undertaking advanced work in their discipline.

Regarding Canadian content in the curriculum — a matter greatly stressed in the recent "Symons Report" — we recognize an important responsibility to study the history, social and political processes, and culture of Canada. It is easy to take umbrage at some of the over-simplifications in the Symons Report, but its value is that it encourages us to take a good look at what we are doing to include Canadian subject-matter in the appropriate undergraduate and graduate programs. The Academic Affairs Committee is forming a Task Force to examine this matter. I sense a general feeling that, in this University, Canadian studies will probably not be best served by an "area studies" approach, but rather by deliberate efforts to emphasize in a special way the Canadian content in any appropriate discipline: e.g., Canadian literature, music, history and economics, and to mount interdisciplinary attacks on specifically Canadian problems such as those encountered in the far North or in areas of concentrated immigration. We have recently received, in the course of our fund-raising campaign, a generous contribution for the provision of fellowships for graduate students who propose to pursue as their special interest Canadian aspects of their disciplines.

Having said all that, however, I believe that the sentiments which most of us hold are eloquently expressed in the remarks made by Professor Francis Sparshott of Victoria College in his Presidential Address to the Canadian Philosophical Association in June: "Perhaps we manifest our Canadianism not by learning what Canada has been but by showing what it is to be, for whatever we do now will become the past of any future Canada. The (Symons) Commission is surely right in saying that self-respect demands that we look around about us, and that we attend especially to whatever is contained within the confines of the only country we have. But it may be that our duty to a national philosophy will be best fulfilled not by debating with ourselves whether what we do is sufficiently Canadian, but by doing confidently what is in us to do, and by ensuring that in the honesty, precision and boldness of our thought we are an ancestry that future generations will be proud to claim: one whose works they will study, not as a penance, but as a privilege."

It is very important for the University to take a strong position on the side of internationalism and human rights. We must always recognize the legitimate public concern about how we use public resources, but this does not mean that we must be infected by our society's current attack of xenophobia. The University should not only speak out strongly on important human issues, but should also show leadership through the way in which it conducts its affairs.

A strong emphasis on human issues and staff policies has characterized the University in recent years and I hope this emphasis will continue. Ever since the Governing Council was established in 1972 it has consistently given a high priority to the improvement of the University's staff policies and procedures. In a special category is the "Forster Report" on academic appointments policy which has received many months' intensive study in the Academic Affairs Committee and is now, after much revision, largely approved as accepted policy. We had a study of discriminatory practices affecting women members of the teaching staff, and established a system of correcting the

anomalies that were discovered in individual cases — a system combining confidentiality, fairness and speed, which is being studied and adopted in many other universities. In addition to the suggestions by individuals and groups, there have also been studies of the working conditions of part-time academic staff, of technicians and others who are paid from research grant funds, and of the status of women members of the non-academic staff, followed in each case by action on at least some of the recommendations. The "Etkin Report" on our pension scheme was a classic contribution to this complicated and important area; it has also been implemented in part. And finally, the "Management Review and Analysis Program" which was initiated by the staff of the University Library has given members of the Library staff at all levels a real opportunity for participation in planning improvements in the Library's structure and functioning. The themes that recur in all these studies are the importance of fair and equitable procedures and the recognition of individuals' aspirations for the development of their full potential which to many in the University is a more important consideration than immediate financial rewards.

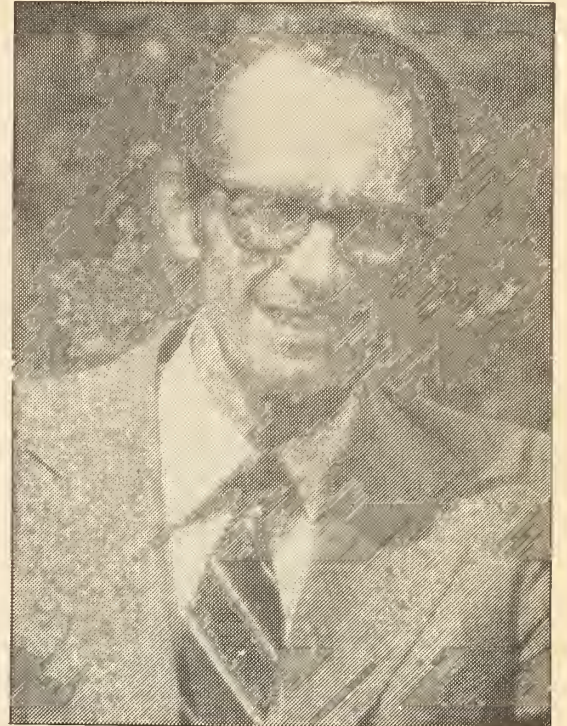
It is not easy to implement improvements in staff policies when funds are so severely restricted. We have made considerable progress but at a cost of increased bureaucracy and a greater administrative burden for deans and chairmen. There remain other areas which need to be explored. Furthermore there are matters unrelated to funding which have been the cause of increasing concern among members of the academic staff. The University of Toronto Faculty Association has expressed its dissatisfaction with the provisions for dealing with the terms and conditions which vitally affect the role of academic staff in the University. Representatives of UTFA are engaged in serious discussions with the administration about a more formalized relationship. Whatever the outcome of these discussions, I believe the overriding consideration must be maintenance of the highest possible quality and vitality of the University's academic programs.

During the past four years we have viewed with alarm the effect of the financial cutbacks on the quality of our programs. And if one relied on reports in the media one might conclude that universities such as the University of Toronto had ceased to strive for quality and were no longer attracting talented students. The facts belie this impression. More than half of the high school students in Ontario who apply for first year Arts and Science place the University of Toronto as their first choice. The professional faculties also have an enviable surplus of well qualified applicants. In the field of graduate study the Advisory Committee on Academic Planning of the Council of Ontario Universities has been systematically examining the calibre of staff and the nature of graduate programs in one academic discipline after another. Nineteen reports have now appeared and the results are very reassuring. With few exceptions, the outside appraisers have rated University of Toronto departments as of the highest quality despite their often outdated physical accommodation and equipment; some are described as among the very best on this continent.

On returning to the University of Toronto in 1972, it became increasingly evident to me that the most exciting opportunities on this campus could be achieved, not by adding new departments or expensive faculties, but by building on the strength already existing in the academic disciplines. I said at that time, and I still believe, that with the staff and students we have here the place is an intellectual power-house, but it needs more trans-disciplinary contacts to harness effectively this great potential energy.

Today I still feel that this extension of contact and co-operation represents a hopeful and underutilized opportunity. Our greatest hope of preserving and renewing the undoubted greatness of the past and present lies in the forceful attack we can make if we build on our strength in the departments and also combine forces where problems transcend the older limits. We do this well in some areas but have barely begun in many others. There is urgent need for studies of the problems of adaptation faced by the immigrant population; of occupational and environmental health; of industrial relations; of world problems related to food; of energy and natural resources; of "Pacific rim" relationships. As Dean Safarian emphasized in his valedictory advice about the School of Graduate Studies, there are national and international perspectives and developments that could add greatly to the vitality and intensity of our foreign-language programs. These interdisciplinary challenges are not only the greatest opportunities open to the University, particularly the Graduate School, but also among the most important aspects of "Canadian studies" in the best sense of that term.

I do realize that it is difficult to maintain a sense of vitality and academic momentum in the current conditions of long-lasting and disheartening austerity. However, there are grounds for cautious optimism on three different fronts. I really do believe that we have



President John R. Evans

rounded one corner as far as the Provincial Government is concerned — that there is for the first time an understanding of the problems of institutions in a no-growth situation, and recognition that the quality of programs cannot be sustained unless this objective is given much higher priority in the policies on funding the universities.

On the second front we have been trying to stem the serious deterioration of research funding from the Federal granting agencies, and I acknowledge gratefully the help received from senior scientists and scholars who did everything from writing Letters to the Editor and speaking to service clubs to bearding cabinet ministers in their dens. We met Donald Macdonald of Finance and Mitchell Sharp, the Government House-leader, here in Toronto; we conferred with Messrs. Drury, Faulkner and Chrétien, and Mr. Kaplan representing Mr. Lalonde, and members of their staffs, in Ottawa; and we persuaded Mr. Drury to spend most of a day with us on campus. We emphasized two simple points; first, that the substantial Federal expenditures for post-secondary education through the provinces have not prevented the level of research support from being deeply eroded by inflation; and secondly, that changes in the level of research funding from the Federal granting agencies have profound consequences for institutions like the University of Toronto, which have made heavy investments in research-related and scholarly resources such as libraries and have developed teams of experienced and uniquely qualified workers and technicians. A reduction in the extent of direct support through the granting agencies, which may seem a relatively minor portion of the total Federal expenditures on post-secondary education, can have a devastating effect on universities like ours. In the long run our national capability in the sciences and other fields of scholarship could be seriously impaired.

The response of the press and the public to the publicity given to the depressed state of research funding seems to have been strong enough to engender a response in Ottawa. It also appears that health and environmental research will be substantial beneficiaries from the new Ontario Lottery.

And on the third front, I should report on the results so far of the Update program — our appeal for funds from the private sector, which was undertaken in recognition for this University's need for support above and beyond the average for the Ontario university system. As most of you will know, we based our appeal for funds on three goals: renewal of obsolete buildings and equipment, maintenance of first-rank teaching and research programs, and preserving the capacity for innovation in response to the needs of a changing society.

The response has been extraordinarily encouraging. The canvass of major corporations during the past five months has already secured commitment of more than \$5,000,000 and a legion of alumni, staff and friends of the University have volunteered to present our case to corporations, foundations and our graduates across Canada during the coming year. The corporate world, representing the most influential part of the Canadian economy, seems willing to recognize and to support a leadership role for this University. The vote of confidence we are receiving is tremendously heartening. It carries with it an opportunity and a responsibility — to continue the role of leadership in higher education and research, to be outward-looking, flexible and positive in our response to the demands of our times — which I am confident the staff and students of this University can seize and shoulder together.

BOOKS

Once upon a time, when McMaster was in Toronto

Charles M. Johnston
McMaster University I: The Toronto Years
 University of Toronto Press

Basing himself upon a large volume of primary and secondary sources, Charles Johnston, professor of history at McMaster, has written a fine narrative of one of the older Ontario universities. This is the first of two volumes.

The author traces the history of McMaster from its parent institutions — Canada Baptist College in Montreal, the Canadian Literary Institute in Woodstock, and Toronto Baptist College — to the beginning of a new era in a new location in Hamilton.

McMaster University was chartered in 1887 and established itself in the still existing red-brick buildings on Bloor Street which had been built for Toronto Baptist College. The founding of the university marked a change in educational philosophy for Baptists. From the beginning of their educational efforts in Canada they had held firmly to the view that secular education in the arts and sciences could better be done by public institutions, and that churches ought to concern themselves only with theological education. Hence, until 1887, there was always talk about affiliation with the University of Toronto.

The founding of McMaster marked the triumph of the view that a Christian institution must teach the arts and sciences as well,

presumably because questions of faith and values cannot effectively and honestly be excluded from those areas of study.

Baptists have never quite achieved the acceptability of some other Christian communions in Canada, partly because often they would not play by the rules of the Anglo-Saxon establishment in Montreal and Toronto. Thus, for example, their early philosophy of higher education was characterized by two emphases, one important for excellence in higher education and the other for the relation of church and state.

The first was the insistence that university education should be non-sectarian, a principle always adhered to in the arts and the sciences at McMaster. The second was that no tax money ought to go for the support of any religious institution. This too was adhered to by McMaster, at least until 1927, the date of the removal of the university to Hamilton.

For the length of its stay in Toronto McMaster was plagued by problems which stemmed basically from the congregational nature of its church policy and the important role of the individual Christian conscience.

The case for the university had to be taken constantly to hundreds of urban and especially rural congregations which decided individually whether or not to support it. Often these congregations could not see the need for pastors with a university education since



William McMaster

they had gotten on well without them in the past. Thus fund drives tended to be less than satisfactory.

A tradition of anti-intellectualism has always been part of the free church tradition. According to Karl Mannheim, it is an attitude which refuses to allow "elements in life and in thought which are based on will, interest, emotion"

to be "mastered by and subordinated to reason." There has in this tradition always been the fear that theory will be divorced from practice.

These factors created tension between the scholarship of the university, with its devotion to detached observation without the bias of emotion and will, and the

unsophisticated religious orientation of the vast majority of Baptists, with their strong emotion and passionate personal commitment. The conviction was strong that the simple untutored believer was more capable of believing than the highly educated professor. Why should these simple believers subsidize what often appeared to them as unbelief?

This tension erupted into a major struggle in the twenties, when the university, and especially the theological department, came under heavy attack led by articulate leaders like T.T. Shields, pastor of Jarvis Street Baptist Church. The university, for its part, appealed to the principle of freedom in matters of faith, also a tenet dear to Baptists. It won the struggle, revealing that even in the rural areas many Baptists had not lost their confidence in the value of higher education.

Johnston has written a highly readable and comprehensive account of the first part of McMaster's history. He reports dispassionately and fairly and gives everyone his due. The book has a fine index and a collection of excellent photographs of some of the notable men and women of McMaster's early history.

Walter Klaassen
 University of Waterloo

This review first appeared in somewhat longer form in the University of Waterloo Gazette.

Near schizophrenia is academe's gravest problem, says Ross

The University:
the Anatomy of Academe
 Murray G. Ross, McGraw-Hill

In *The University: the Anatomy of Academe*, his 10th book, the distinguished Canadian educator Murray George Ross concludes guardedly that academe may survive its current troubles, but only if it successfully defines its social role and finds a governing structure that will permit it to function effectively.

"Tradition without revolution is empty," Ross reminds us, "but revolution without tradition is blind."

Ross sees the university surviving only if it finds a means of accommodating two divergent forces: one that would have it live on its past achievements without regard to a dynamic social situa-

tion; another that would force upon it radical changes that would ignore successful practices and traditions of the past 800 years. "To follow either course exclusively is dangerous: one leads to gradual decay, the other to chaos."

Ross has written a splendid, impressively documented study covering almost every facet of university life — its history, ideals, governance, goals, and social relationships. Ross was president of York University in Toronto in the crucial years of change between 1960 and 1975, and he is capable of adopting the admonitory tone of the administrator as he slaps academe's wrist for repeated failures to live up to its long-proclaimed ideals of community, freedom, and responsibility.

Yet Ross is an administrator with

a historian's and sociologist's vision; nearly half the volume describes the evolution of today's institution and its nagging problems. He provides detailed treatments of the comparative status of English, Canadian, and American universities from medieval and colonial times.

In such academic traditions as division of functions, categorization of knowledge, and isolation from the surrounding environment, Ross sees implicit values that were responsible both for the university's continued vitality and for its vulnerability to indictments of intellectual torpidity and social dormancy.

Following his comprehensive examination of the changing roles of students and teachers through the centuries (culminating in the revolt of the 1960s), Ross deals

with what he views as the four critical issues facing academe today: goals, governance, academic freedom, and the specter of state control. Again, he never fails to treat the historical context in which each problem arose.

Ross feels that academe's gravest problem is the near schizophrenia resulting from its failure to find a clearly agreed-upon purpose. The 1960s proved beyond all attempts at self-deception that academe's long-cherished ideals of smallness, selectivity, and autonomy were illusions in the face of activities befitting multinational corporations.

Ross sets forth the crucial issues as elitism vs. open admissions and political neutrality vs. societal connectedness. There is not much time, he warns, to establish rational approaches to these prob-

lems, for organizations whose objectives remain too long divided inevitably experience the disintegration foretold in Yeats's "Second Coming."

Almost as disturbing to Ross is the exponential proliferation of administrators, many of whom (he quotes Charles Beard) "have no standing in the world of education, who are reactionary and visionless in politics, narrow and medieval in religion," and who are present in such numbers only because for decades the faculty has abdicated the responsibility of "keeping the university democratic."

Ross's coda is the most ominous of all to many academics: should we as a profession fail to define our directions clearly and rationally in an era of fiscal uncertainty,

Continued on Page 7

A tragical-comical-historical-political-socio-economical report

Ph.D.'s and the Academic Labor Market
 by Allen M. Cartter
 McGraw-Hill

I remember standing in the corridor adjacent to the Croft Chapter House, waiting for my Ph.D. defense to begin, and chatting with the chairman of my graduate department. When our discussion touched on the Ph.D. job market, the chairman was relatively optimistic. "Now is really the best time to find teaching positions," he said. "After all, things are going to get worse year by year."

This seems to be everyone's opinion, but it has been substantiated decidedly by Professor Cartter in his very thorough and instructive report prepared for The Carnegie Commission on Higher Education. The results of this study will be grim to educators, administrators and public-policy makers, and alarming to recent and prospective Ph.D. s, but the book is not an alarmist document. Cartter, who is ever tactful and conservative, regards the book as an "early warning mechanism," which attempts to project future faculty

needs, and examine the likely supply responses of the labour market to changing demand conditions.

But Cartter is the first to admit that his "early warning" is too late to cope with supply and demand adjustments in the academic labour market for the next ten to twenty years. For example, his statistics reveal that the North American graduate education establishment of the mid-1970's is still geared to the unusual growth rates of the mid-1960's, turning out Ph.D. s at a rate one-third above the needs for this decade; and he forecasts an over-production rate of 50 percent or more in the mid-1980's.

Based on a mass of statistical evidence involving enrolment figures and faculty out-flow percentages, the study estimates doctorate production to peak between 1981 and 1985, the period in which academic employment should be at its lowest. Considering that the majority of Ph.D. s of the early 1980's are already in graduate school, this severe supply and demand imbalance appears unavoidable. Or, from another perspective, the cumulative academic demand for new faculty from 1980 to 1995 — if parameters such as tenure, promotion, salaries and retirement remain

relatively constant — is projected to equal the total demand for 1965 and 1966.

Cartter fortunately doesn't abandon his reader in such doleful dumps. In the last chapter he explores many of the policy options that will confront higher education in the last quarter of this century, focusing primarily on the responsibility of graduate schools and public agencies to inform students of likely job prospects. ("Why didst thou promise such a beauteous day/And make me travel forth without my cloak?") A creative adjustment to this crisis would conceivably enrich the education process, reducing student-faculty ratios and providing post-secondary educational opportunities to broader sections of the community.

Cartter's book is a very substantial piece of research — a tragical-comical-historical-political-socio-economical report, indeed — and offers both startling and fascinating information for anyone associated with the university community.

Raymond Shady
 Erindale College

STAFF NOTES

Medicine

Dr. ROY J. SHEPHARD attended the International Conference on Nutrition, Dietetics and Sport held in Bordighera, Italy, in June and presented a paper entitled "Fluid and mineral needs of post-coronary distance runners". At the conference, Prof. Shephard was awarded the Philip Noel-Baker Prize for his contributions to sports science. In July, Prof. Shephard was chairman of the scientific committee arranging the meeting of the International Committee for Physical Fitness Research held in Trois Rivières and presented an overview of "Fitness tests in predicting athletic performance" and shared with other authors in several presentations including "Height and weight performance tests", "Assessment of leisure activity in children" and "On the stage duration for sub-maximum testing".

Also in July, he was a member of the scientific commission responsible for the International Congress of Physical Activity Sciences held in Quebec City, where he acted as chairman for the session on physical activity and aging and presented papers entitled "Patterns of physical activity in the elderly" (with Dr. K. Sidney) and "Fluid and mineral needs of post-coronary distance runners" (with Dr. T. Kavanagh).

Peter Pimm, graduate student in the Department of Preventive Medicine and Biostatistics, presented a paper, with Dr. R.J. SHEPHARD and F. Silverman, entitled "Effects of passive inhalation of cigarette smoke on normal and asthmatic subjects" at the Canadian Thoracic Society meeting in Vancouver in June.

Duncan A. Gordon Rheumatology head

Dr. Duncan A. Gordon has been appointed head of the Division of Rheumatology at the Toronto Western Hospital and director of the hospital's Rheumatic Disease Unit. For the past two years Dr. Gordon has been Co-ordinator of Rheumatology at McMaster University. Prior to that, from 1964-74, he was consultant at the U of T Rheumatic Disease Unit at the Wellesley Hospital.



Dentistry

During the spring term, several members of the faculty attended committee meetings. Dr. G.S. BEAGRIE attended a meeting of the program committee for the International Conference on Oral Biology (1977) in Copenhagen and the council on dental education of the Canadian Dental Association in Toronto.

Dr. D.C. SMITH acted as chairman of two meetings: the committee on dental materials and devices of the Canadian Dental Association held in Toronto and the committee on dentistry of the Canadian Standards Association held in Mississauga.

Dr. D.W. LEWIS attended a meeting of the Education Committee of the Association of Canadian Faculties of Dentistry in Montreal.

Dr. R.P. ELLEN attended a meeting of the Medical Research Council fellowship selection committee in Ottawa.

Dr. J.H.P. MAIN presented a report as chairman of the membership committee to the annual business meeting of the American Association for Dental Research in Miami Beach; in Atlanta, he took

part in meetings held to establish an International Society of Oral Pathologists at the annual meeting of the American and Canadian Academies of Oral Pathology and attended the annual editorial conference of the *Journal of Oral Pathology*.

Dr. R.L. ELLIS represented the Faculty at a Canadian Dental Association conference on practice administration held in Toronto.

Erindale

Dr. H.C. HALLS gave a paper entitled "The Slate Islands: the central uplift of a meteorite crater?" at the annual Institute on Lake Superior Geology held in Minneapolis in May.

Prof. ANTHONY POE will be spending this academic year at the University of Cambridge, where he has been elected to an Overseas Fellowship at St. John's College. He will be conducting research into reactions of transition metal carbonyls, and has been awarded a Visiting Senior Research Fellowship by the Science Research Council for this purpose.

Geology

Prof. D.H. GORMAN addressed the annual meeting of the Canadian Micro-Mineral Association held in Toronto in April on "Twinning, and Twinned Crystals".

Prof. JOHN C. VAN LOON was visited in May by a committee from Perkin Elmer Corp. (U.S.A.). The committee was interested in the advances in analytical atomic spectroscopy that have been made in the geochemistry laboratory. This summer, Dr. Van Loon gave invited lectures in London and Johannesburg on the state of the art of atomic spectroscopy. Included in his talks was discussion of a revolutionary new burner system for atomic fluorescence spectroscopy that he developed with Ifor Davies who is in charge of the department's machine shop.

The University was well-represented on the program of the Geological Association of Canada-Mineralogical Association of Canada annual meeting held in Edmonton in May. Papers presented by staff and students included: "Middle Ordovician trilobite biofacies, southern MacKenzie Mountains", Dr. R. LUDVIGSEN; "Systematics of uranium-lead discordance in zircons", T.E. Krogh; "Jurassic-Cretaceous palynology and correlation of the subsurface terrestrial Mattagami Formation, Moose River Basin, Ontario", Prof. GEOFFREY NORRIS; "Metamorphism of the Snare Group, Arseno Lake area, N.W.T.—an Abukuma facies series of Hudsonian age", P.A. Nielsen; "Experimental test of available strain models of simple diapiric antiforms", Prof. W.M. SCHWERTNER and B. Tröng; "Strain estimates in mylonitic rocks from the Grenville Front Tectonic Zone, Tomiko area, Ontario", S.G. Themistocleous and Prof. W.M. Schwerdtner; "Strain analysis by means of undisrupted inclusions with unknown primary shapes", D. Stone, G.R. Dales and Prof. W.M. Schwerdtner; "Treatment of errors in geochemical calculations", Prof. G.M. ANDERSON; "Partitioning of Fe, Ni, Cu and Co between sulfide and silicate liquids", V. Rajamani and Prof. A.J. NALDRETT; "Geology and gold mineralization of the Wood's Point Dyke Swarm, Victoria, Australia", A.H. Green and R.R. Keays; "Source of lead in Central American and Caribbean mineralization", G.L. Cumming and Prof. S.E. KESLER; "Chlorine in altered ultramafic rocks", C.C. Patterson and Prof. J.C. RUCKLIDGE; "Intracrystalline distribution of Fe and Mg in an olivine from komatiites of Munro Township, Ontario", V. Rajamani and Prof. J.C. Rucklidge; "Magneto-stratigraphy of Laurentia", E. Irving, J.C. McGlynn and Prof. A.J. Naldrett; "Archean iron formations and associated turbidites in the Sturgeon-Savant Lake area, Superior Province, north-western Ontario", R.J. Shegelski and Prof. S.D. SCOTT and "Shape parameters and orientation of ovoidal porphyroclasts determined from serial section data", E. Grunsky. In addition, Profs. G.M. ANDERSON, JOHN GITTINS and A.J. NALDRETT acted as chairmen of technical sessions.

Guggenheim Fellowship to Prof Stillman Drake

Professor Stillman Drake, Institute for the History and Philosophy of Science and Technology, has again been awarded a Guggenheim Fellowship. This unusual second award from the foundation is the latest tribute in a long and distinguished career of scholarly research. Prof. Drake will be working on a biography of Galileo.



Prof. JOHN D. LIPSON took part in a workshop on Current Trends in Computing Science at Dalhousie University, June 15 to July 7, for which the Dalhousie Mathematics Department and the Eastern branch of the Summer Research Institute of the Canadian Mathematical Congress were co-sponsors. Prof. Lipson gave three papers, "Flowgraphs: Applications and Computational Aspects", "Abstraction: Its Role in Algebraic Computing" and "Newton's Method: A Great Algebraic Algorithm".

Prof. DAVID W. STRANGWAY lectured on the "Thermal History of the Moon and Planets" at the U.S. Geological Survey in Denver in April. In May he was elected vice-president elect of the Geological Association of Canada at its annual meeting in Edmonton.

Zoology

Prof. HAROLD HARVEY visited the South Pacific in May-June as external assessor for the Programme in Tropical Fisheries. While there he lectured on some environmental problems in Northern Hemisphere.

Slavic Languages & Literatures

Prof. R.D.B. THOMSON gave a lecture entitled "A Hard Look at Dr. Zhivago" at the University of Birmingham in the last fall term.

Sociology

Prof. S.D. CLARK has been elected a foreign honorary member of the American Academy of Arts and Science.

Germanic Languages & Literatures

Prof. HANS EICHNER has accepted an appointment to the editorial board of Publications of the Modern Language Association of America (PMLA).

Computer Science

Prof. C.C. GOTLIEB gave a paper on "The History of Computing in

Applied Science & Engineering

Prof. MORRIS WAYMAN addressed an industrial seminar organized by the School of Continuing Education and the Ontario Forest Industries Association at Petawawa in April on "Environmental Issues in Forestry". In May, he addressed the command and staff course, Canadian Forces College, Toronto, on "The Canadian Economy: The Roles of Industry and Government". In June, he spoke on "Single Cell Protein: Current Status, Potential and Research Priorities" to a conference on utilization of cellulosic wastes for feed and food, sponsored by the Canada Department of Agriculture, Ottawa, and

Canada" and acted as chairman of a panel session on the history of programming languages at the international research conference on the history of computing, sponsored by the U.S. National Science Foundation, held at the Los Alamos Scientific Laboratory in June.

Prof. JOHN D. LIPSON took part in a workshop on Current Trends in Computing Science at Dalhousie University, June 15 to July 7, for which the Dalhousie Mathematics Department and the Eastern branch of the Summer Research Institute of the Canadian Mathematical Congress were co-sponsors. Prof. Lipson gave three papers, "Flowgraphs: Applications and Computational Aspects", "Abstraction: Its Role in Algebraic Computing" and "Newton's Method: A Great Algebraic Algorithm".

Botany

Dr. J.A. HELLEBUST was one of 12 invited foreign guests at the fourth Venezuela Congress of Botany held in Maracaibo in May. He gave a lecture entitled "Oil spill effects on aquatic environments".

At the American Institute of Biological Sciences meetings in New Orleans in June, two graduate students received awards: Scott Redhead, a graduate fellowship in mycology and R. Sheath the H.C. Bold award in psychology. At the Canadian Botanical Association meetings in Lennoxville in June, graduate student Tony A. Reznicek received an award for the best paper and at the Phytopathological Meetings in Halifax in July, George Lazarovits presented the best student paper.

Psychology

Prof. G.B. THORNTON gave a talk on "Colour Perception" to a combined meeting of the Oil and Colour Chemists Association and the Ontario Society of Coating Engineers in May.

Double space copy, please

When sending material to the *Bulletin for Staff Notes*, please observe the following guidelines:
DOUBLE SPACE typed copy (Double space means that between each line there is a space for another line of type)
Spell out acronyms when first mentioned (For example, first reference National Research Council, second and subsequent references NRC is sufficient)
Give first name in full when there is only one initial (For example, Prof. Peter Piper, not Prof. P. Piper)

CORRECTION

Institute for Aerospace Studies

The seminar on "A Laboratory Investigation into Flight Path Perturbations During Steep Descents of V/STOL aircraft" was given by Dr. L.D. REID and not Dr. N.M. Reid as noted in the *Bulletin*, Aug. 20. While Dr. Lloyd Reid was at the Flight Dynamics Laboratory of Wright-Patterson Air Force Base, Dayton, to give the seminar, he also visited the laboratory's flight simulation facility.

Report terms senior citizen program a success

"Thank you for the privilege of studying at such a virile university," enthused one student when asked to comment on the academic program for senior citizens instituted at U of T last fall.

Under a Governing Council policy approved in May 1975, persons 65 and over were admitted to the University with a waiver of fees and the usual academic requirements for admission, and were enrolled as special part-time students in Woodsworth College.

During the program's first year, most of the participants were between the ages of 65 and 69. The oldest was 88. Most were attending university for the first time.

Professor Mary Laurence, an associate professor of psychology, cross-appointed to Woodsworth, was asked to serve as program adviser and co-ordinator. "It was known that my research relates to memory functions of old age," Prof. Laurence explains, "and as I was already here at Woodsworth, people thought I was 'a natural'. You could say it just fell into my lap."

As both adviser and co-ordinator, Prof. Laurence's involvement with the program was considerable. At peak periods — late August and early September — she spent as much as 70 percent of her time on it, interviewing every applicant, supplying information about relevant regulations, and providing course selection counselling. In addition, she monitored the number and pattern of course enrolments to ensure no overloading in any subject area or course and to discourage unrealistic selections.

Laurence followed the progress of the senior citizen students throughout their courses, and assessed the program in a report written last summer.

Under the new policy, 113 people were admitted for the winter 1975-76 session. Of these, 105 actually registered in a degree credit course in the Faculty of Arts and Science. The eight who failed to register did so largely due to a misunderstanding about the kinds of courses available.

"One individual wanted to learn to play the piano," Prof. Laurence states in her report, "another wanted instruction in handicrafts — aims which the Faculty could not gratify. Some of these people were directed to the School of Continuing Studies where subjects of interest to them were available."

Only a few senior students saw their enrolment as the first step toward earning a University degree. Most had decided to enrol in order to pursue interests which they had developed in earlier years, and for which they now finally had time. A significant number regarded their involvement in university studies as a bridge to communication with their grandchildren.



Mrs. Ida Berk, right, discusses her sociology studies with Professor Mary Laurence, co-ordinator of the senior citizen program.

Several selected courses to supplement their knowledge of world affairs or of the social sciences; many felt university studies to be an admirable vehicle for keeping their minds alive and alert.

During the initial counselling sessions, Prof. Laurence advised students that there was a formal procedure for withdrawal from a course if it became clear that circumstances would prevent its completion, and approximately one-third did withdraw before February 15. The most frequently cited reason for doing so was a reluctance to undergo the anxieties which would be caused by writing assignments and examinations.

Had U of T had a formal auditing provision, many of the students who wanted to study for enjoyment would have enrolled as auditors from the outset. Since no such provision officially exists, they were obliged to enrol in the regular way in order to gain access to course material.

"I suspect many of these people entered their courses knowing they'd withdraw or not write the examination," Prof. Laurence says. "It is regrettable

that such deception is forced on student and counsellor alike when it could be prevented by formalization of a policy on auditing. I know without any doubt that the majority of senior citizens who withdrew for reasons other than health continued to attend lectures until the end, and in every case did so with the instructor's knowledge, permission and even encouragement."

Prof. Laurence points out that an analysis of the performances of the 37 students who did complete their courses is both interesting and encouraging. Of those who received standing, 2.3 percent obtained A's, 20.4 percent B's, 47.7 percent C's, 18.2 percent D's, and 11.4 percent F's. "On inspection," she says, "that grade distribution is not far off the standard one might hope for among undergraduates generally, when grade inflation has been kept under control."

"The successes of these individuals is not attributable merely to compassion on the part of one or two instructors," Prof. Laurence says. "Some skeptics of the program prophesied that this would be the case. However, verbal and written comments from instructors who had senior citizens in their classes were entirely positive concerning their presence and contribution."

When asked "Did you enjoy the experience of being a student this year?" an overwhelming majority of the students reacted positively. They enthusiastically reported on the "knowledgeability" and "patience of the instructors", the "lack of a generation gap with younger students", the "stimulus and challenge of discussion", a sense of being made to feel "welcome and even contemporary with younger students", and gratitude at not having been segregated into classes with other senior citizens.

The opportunity "to study as an alternative to mental stagnation", "to widen my horizons", "to meet new people", "to engage in twice weekly mental jogging exercises", and "to verify many of my assumptions and to find others repudiated", were representative comments. In addition, many expressed gratitude for "the wonderful opportunity to partake in university life."

As for Prof. Laurence, she regards the program as an unqualified success. "There can be no doubt at all," she says, "that the University's gesture of good will is deeply appreciated and has won for us enthusiastic advocates in the community."

Evidently the enthusiasm has spread, for this year, another 105 students are enrolled under the program.

L.W

PH D ORALS

Since it is sometimes necessary to change the date or time of an oral examination, please confirm the information given in these listings with the Ph.D. Oral office, telephone 978-5258.

Tuesday, October 5

Ronald Wintrobe, Department of Political Economy, "The Economics of Bureaucracy." Thesis supervisor: Prof. A. Breton. Room 111, 63 St. George St., 2 p.m.

Friday, October 1

Peter Oswald Brackett, Department of Electrical Engineering, "The Operational Simulation of Filter Networks." Thesis supervisor: Prof. A.S. Sedra. Room 309, 63 St. George St., 10.30 a.m.

Ronald Mlodzik, Centre for the Study of Drama, "Stephen Phillips: An Investigation of his Rise to Critical Acclaim." Thesis supervisor: Prof. R. Davies. Room 111, 63 St. George St., 2 p.m.

Harry Alexander Wilson, Department of Educational Theory, "The Effects of Labeling and Activity on Disciplinary and Affective Tendencies to Children." Thesis supervisor: Prof. D. G. Ogston. Conference Room, 315 Bloor St. W., 2 p.m.

Monday, October 4

Gerald Raymond Richards, Department of Educational Theory, "The Development of a Conceptual Framework for the Teaching of a Cultural Component of Second Languages." Thesis supervisor: Prof. H.H. Stern. Conference Room, 315 Bloor St. W., 10 a.m.

Nancy Cassels, Department of History, "The 'Pilgrim Tax': A Case Study in the East India Company's Social Policy." Thesis supervisor: Prof. M. Israel. Round Room, Massey College, 10 a.m.

James Robert Mehaffey, Department of Physics, "Renormalized Kinetic Theory of Molecular Liquids." Thesis supervisor: Prof. R.C. Desai. Room 309, 63 St. George St., 2 p.m.

Wednesday, October 6

Salvatore J. T. Mendaglio, Department of Educational Theory, "An Investigation of the Relationship Between Self-Esteem and Decentration." Thesis supervisor: Prof. P. Gamlin. Conference Room, 315 Bloor St. W., 10 a.m.

Patricia Angelica Bacher, Department of Educational Theory, "The Interaction of Learner Control and Degree of Learner Control in Computer Assisted Instruction." Thesis supervisor: Prof. W.P. Olivier. Conference Room, 315 Bloor St. W., 2 p.m.

Thursday, October 7

Margaret Smart, Department of English, "Sir Philip Sidney as Ironist." Thesis supervisor: Prof. W.F. Blissett. Room 201, 63 St. George St., 2 p.m.

Bong Seo Jung, Department of Management Studies, "An Econ-

omic Model of Petroleum Exploration." Thesis supervisor: Prof. G.D. Quirin. Room 111, 63 St. George St., 3 p.m.

Friday, October 8

Robert Nigel Stanhope Herpool, Department of Computer Science, "The Use of Program Structural Information in Page Replacement Algorithms." Thesis supervisor: Prof. D.B. Wortman. Room 307, 63 St. George St., 9 a.m.

Dr. Gary Gray, Department of Medical Science, "The Pathogenesis of High Altitude Pulmonary Edema." Thesis supervisor: Prof. A.C. Bryan. Room 309, 63 St. George St., 10 a.m.

Vijay Agnew, Department of History, "Elite Women in the Indian Nationalist Movement." Thesis supervisor: Prof. M. Israel. Room 201, 63 St. George St., 2 p.m.

Clair Raymond Girodat, Department of Philosophy, "The Development of Man as a Person According to the Philosophy of St. Thomas Aquinas." Thesis supervisor: Prof. E.A. Synan. Room 307, 63 St. George St., 2 p.m.

Susan Pfeiffer, Department of Anthropology, "Skeletal Biology of Archaic Populations of the Great Lakes Region." Thesis supervisor: Prof. J. Melbye. Croft Chapter House, University College, 2 p.m.

Tuesday, October 12

Phillip Joseph Rody, Department of Philosophy, "Confirmation and Paradox." Thesis supervisor: Prof. J. Stevenson. Round Room, Massey College, 2.30 p.m.

Karen Doris McFadden, Depart-

ment of English, "George Bernard Shaw and the Woman Question." Thesis supervisor: Prof. R. Davies. Room 201, 63 St. George St., 3 p.m.

Thursday, October 14

Mal Peter Sacks, Department of Mechanical Engineering, "Effect of Exhaust System Design on the Power and Noise Output of a Two-Stroke Engine." Thesis supervisor: Prof. D.L. Allen. Room 201, 63 St. George St., 10 a.m.

Gilbert Patrick O'Neill, Department of Educational Theory, "Post-Secondary Aspirations of High School Seniors from Different Contextual Settings." Thesis supervisor: Prof. D.W. Ryan. Conference Room, 315 Bloor St. W., 10 a.m.

Dolly Mary Ferguson, Department of Slavic Languages and

Literatures, "Lyricism in the Early Creative Prose of Mykola Khvylovy." Thesis supervisor: Prof. G. Luckyj. Room 309, 63 St. George St., 2 p.m.

Friday, October 15

Stan Skarsten, Department of Social Work, "An Examination of Casework Intervention into Marital Dysfunctioning." Thesis supervisor: Prof. B. Schlesinger. Round Room, Massey College, 10 a.m.

Maria-Elena Valdes, Department of Educational Theory, "A Conceptual Analysis of the Domain of Spanish Studies and its Application in the Curriculum of University Education in Ontario." Thesis supervisor: Prof. E.F. Sheffield. Conference Room, 315 Bloor St. W., 11 a.m.

Council approves Sigma 9

Continued from Page 1

result in a \$2.4 million reduction in U of T's operating grant — which the government expects would be made up by an increase in fees — and that the University disagrees with the recommendation's parochialism.

The impression that was abroad in the spring of an enormous number of applications to the Faculty of Education has proved false, he said. Enrolment this fall is not above the normal level.

For the Governing Council's information, the President repeated portions of his speech to the University community, de-

livered in Convocation Hall that afternoon. The speech is reprinted in full in this issue of the *Bulletin*, beginning on page 1.

Other matters dealt with by the Council were the extension of the Ombudsman's term of office for six months and approval of the purchase of a Sigma 9 computer system for the U of T Library Automation Systems.

There was also some discussion of the possible use of some floors of Rochdale College for student housing and of the progress of the Transitional Year Program Task Force's deliberations.

Next Council meeting will be Thursday, Oct. 21.

Staff Update campaign to begin next week

"Those of us at the University have to show the outside world that we believe in what Update is trying to accomplish," says Gwen Russell, administrative staff member, in explaining the approach the Staff Update Management Committee has taken to promoting the fund on campus.

She is co-chairman of the five member committee which was responsible for planning and co-ordinating the staff side of Update. Other members were Patrick White, History Department (co-chairman); Ian Barclay, Physical Plant; Betty Connelly, president of the U of T Staff Association; and James Ham, Dean of the School of Graduate Studies.

The committee decided that \$400,000 would be a reasonable

goal and it is hoped staff members will pledge to contribute over a three-year period. If a staff member wishes to support a particular project, he or she may do so. Ms. Russell feels that non-academic staff will be most interested in the Campus as Campus Centre because it improves the aesthetics of their everyday working environment, and in the scholarship and bursary program. "Many of the staff have children who might eventually take advantage of this particular program," she explains.

The campaign will kick off next week with a mailing to the 10,000 academic and non-academic staff the committee hopes will donate to Update. In November there will be a telethon to remind the tardy and forgetful.

Dr Keith Dorrington named Vice-Provost

Dr. Keith Dorrington, professor in the Department of Biochemistry, has been appointed Vice-Provost for Health Sciences.

Reporting to the Vice-President and Provost, Dr. Dorrington is responsible for the maintenance of academic programs and standards in health sciences faculties (Medicine, Dentistry, Pharmacy and Nursing), and in the School of Physical and Health Education.

The new Vice-Provost was born in Tredegar, England, in 1939. He received his B.Sc. in Biochemistry from the University of Sheffield in 1961, and his Ph.D. in Biochemical Pharmacology from the same university in 1964.

He has been with the University of Toronto since 1970, first as an associate professor in the Department of Biochemistry and Institute of Immunology, and then as a full professor in 1975.

Dr. Dorrington's general field of research is molecular immunology. He is specifically interested in gaining an understanding of the biological functions performed by antibody molecules, and in conducting chemical studies on cell membranes which carry antibodies. He is Associate Editor of the *Journal of Immunology*.

His most recent administrative duties have included membership on the Science Policy Committee of the Faculty of Medicine, on the Council of the School of Graduate Studies and on the MRC Grant Committee for Immunology and Transplantation.

Dr. Dorrington is married to Jenifer Dorrington, Ph.D., an assistant professor at the Banting and Best Department of Medical Research. They have three children.

Academe's greatest problem

Continued from Page 4

the confused image we project will lead inevitably to the resolution of these issues by external authorities.

Though Ross fails to deal closely enough with the economic factors and forces underlying academic instabilities, he is superb in his treatment of a public, disaffected and soured, ready to replace the fallen mystique of its academic goals with pragmatic measures.

It is our demoralization that most threatens us, he concludes,

for the university has, after all, survived over the past 800 years — and has performed successfully and humanely its essential function of the accumulation, preservation, and transmission of knowledge in the service of both individual and social needs.

Frank R. Cunningham teaches English at San Jose State University. This review first appeared in the July 19, 1976 issue of *The Chronicle of Higher Education*.



Satellite link aids medicine

A demonstration of how space-age technology can help health care in remote areas was staged at the Sheraton Centre last week with the aid of a U of T television production crew. Sunnybrook Medical Centre provided the leading actor.

Dr. Arpad Kerekes, a resident at Sunnybrook, conducted a half-hour consultation with a team of specialists at University of Missouri Medical Center, Kansas City, by means of a live, two-way television link via satellite. The demonstration was part of the program of the 7th International Congress on Medical Records.

A mock-up consultation room at the Sheraton,

representing a remote or rural health clinic, was in direct visual contact by means of television cameras and monitors with the Kansas City doctors, who in turn could observe the patient, examine records and give diagnostic support.

Television signals were beamed directly from the hotel site to a Western Union Westar II satellite by means of a Telesat Canada ground terminal, hooked up to the U of T Television Production Services mobile studio truck. The camera crew was headed by Michael Du Boulay, with Media Centre producer Bill Summerville as production supervisor.

Workers needed for Hart House Theatre

The Centre for the Study of Drama draws from the whole University community to produce the plays in its Hart House Theatre season. Many and various are the talents involved. There is, of course, the actor who struts his hour upon the stage, to paraphrase a playwright represented in the season. But there are others, never seen, who make costumes and properties, build and paint sets.

The making and the building and the painting take place according to a schedule drawn up by the production staff. A great deal of the work is done during the day at the theatre, but some things can be done at home and others can be done in the evening. There is a small caveat on this exercise in occupational therapy: eager as Hart House Theatre is to hear from the owners of willing hands, the production staff does have to plan

in advance. Volunteers are asked to give some idea of when they can work, over a span extending not too far into the middle distance.

If you are interested in working

on a production, using old skills or learning new ones, telephone Martha Mann at 978-8674.

M.A.M.

Correction

A document in the *Bulletin* of Sept. 17 entitled "Recommendations on part-time academic staff" (page 6) was introduced with the statement that the Planning and Resources Committee approved the Recommendations at its meeting held June 22, 1976. This statement was incorrect.

The Recommendations, having been approved first by the Academic Affairs Committee, were approved by the Governing Council on June 17, "subject to the resource implications contained in Recommendation 4 being considered by the Planning and Resources Committee."

Having considered these resource implications, the Planning and Resources Committee at its meeting of June 22 approved Recommendation 4.

Education Committee on Multi-Culturalism needs help

As one of his extra-mural endeavours, Anthropology professor Jamshed Mavalwala serves as chairman of the Education Committee of the Ontario Advisory Council on Multi-Culturalism. In that capacity, he would appreciate some assistance from the University community.

The Council advises the government on the changes taking place in society as a result of immigration, and the Education Committee, now in its second year, concentrates on updating curricula in the schools.

The Committee has established, among other things, that a shockingly disproportionate number of immigrant students tend to be steered into technical courses, and that there is rarely enough interaction between the classroom and the reality of the immigrant student's life.

"The schools must sensitize their teaching to deal with children from other cultures," says Mavalwala, himself a native of India. To help accomplish this aim, this summer, loose guidelines were estab-

lished for the lower grades; those for high school *Man in Society* courses were revamped; and a Sudbury teacher created a six-week lesson package to help teachers across Canada present pertinent aspects of multi-culturalism.

Replies to a questionnaire sent to 750 Ontario schools suggest that there are already sufficient resource materials available, but that, by and large, teachers don't know where to find them.

"One very obvious resource in Southern Ontario is the cultural communities themselves," comments Mavalwala, "but getting in touch with them is often difficult."

What's needed is a central information panel, he says, a gathering agency which teachers could consult in order to establish contact with community leaders and to learn about the latest work — including academic studies still under way — on the various cultural communities in Metropolitan Toronto and elsewhere.

"Andrew Gregorovich of the U of T



Professor Jamshed Mavalwala

Library has already produced an excellent study on the work already done in this

field," he says, "but we also need whatever contemporary material can be provided."

For this purpose, Prof. Mavalwala requests that faculty members, support staff and graduate students who are in any way connected with the activity of cultural or "ethnic" groups — whether through study and research or personal interest and involvement — either telephone him at 978-3294 or 978-6100, or write to him at the Department of Anthropology, Room 1034, Sidney Smith Hall. Alternatively, you can contact the Education Committee, Ontario Advisory Council on Multi-Culturalism, 801 Bay St., third floor; telephone 965-2324.

"We have found to our horror that a large number of well-meaning teachers, who are trying to find information for classroom use, have been drawing upon the mass media, which, in their need for sensation, perpetuate condescending stereotypes," Mavalwala reports.

A well-informed central gathering agency should go a long way to remedying the situation.

EVENTS

SATURDAY 25

Football — Toronto vs McMaster. Varsity Stadium. 2 p.m. Reserved tickets \$3.50 and \$3, boxes \$4; general admission \$1. Telephone 979-2430.

SUNDAY 26

Jane Coop and Adrienne Shannon, duo-piano recital. Great Hall, Hart House. 8 p.m. Free tickets available at Hall Porter's desk.

MONDAY 27

Religion and Human Rights in the Soviet Union: Recent Developments (Seminar) Michael Bourdeaux, director, Centre for the Study of Religion and Communism, Keston, Kent. Upper Library, Massey College. 4 p.m. (Centre for Russian and East European Studies)

TUESDAY 28

Globular Clusters and the Galactic Halo (Colloquium) Dr. William E. Harris, McMaster University; David Dunlap Observatory. 4 p.m. Please note change of title and speaker.

WEDNESDAY 29

The Ontogeny of Persistence (Colloquium) Prof. Abram Amsel, University of Texas. 2135 Sidney Smith Hall. 4 p.m. (Psychology)

Thursday 30

Paul Robeson — An Artist of our Century (Lecture-demonstration) Dr. Phyllis Klotman, Indiana University and Prof. Ezra Schabas, Opera and Performance Department. Walter Hall, Edward Johnson Building. 2.10 p.m. (See story this page)

Magnetic Resonance of Molecules as Hindered Rotation

(Lecture) Prof. S. Fujiwara, University of Tokyo. 428 Lash Miller Chemical Laboratories. 4 p.m. (Chemistry and SGS)

Gold for the Gods (First of 8 lectures, series II, complementing **Gold for the Gods** exhibition) Dr. Kent Day, assistant curator, Office of the Chief Archaeologist, and field director, ROM archaeological site at Pampa Grande, Peru. ROM Theatre. 8 p.m.

OCTOBER

FRIDAY 1

Cytogenetics, Behaviour and Informed Consent (Lecture) Dr. John Money, Department of Psychiatry, and Behavioural Sciences, Johns Hopkins School of Medicine. Main lecture theatre, Toronto General Hospital. 4 p.m.

Diterpenes of Croton Corylisolius (Lecture) Prof. W.R. Chan, University of the West Indies, Jamaica. 158 Lash Miller Chemical Laboratories. 4 p.m.

MONDAY 4

The control of glycolysis in relation to nitrogen starvation (Seminar) Prof. D.D. Davies, University of East Anglia. Room 7, Botany Building. 4 p.m.

TUESDAY 5

General Committee, Faculty of

Arts and Science. (Meeting) Council Chamber, Simcoe Hall. 4.10 p.m. Please note change of date.

WEDNESDAY 6

The cost of reproduction in populations of *Plantago* (Seminar) Dr. J. Antonovics, Duke University. Room 7, Botany Building. 4 p.m.

Clarion Classics. Jean Edwards, soprano and Horace Hinds, trumpeter, in works by Handel, Bach, Fantini and Mozart. R-3103 Scarborough College. 12 noon.

THURSDAY 7

Games and Decisions in Evolutionary Processes (Conference) Oct. 7—9, New College. Oct. 7, Symposium on Theories, 12 noon; Oct. 8, Symposium on Biology, 9 a.m., Symposium on Sociology, 1 p.m.; Oct. 9, Symposium on Artifacts and Summation, 9 a.m. Registration fee \$20. Telephone 978-2461.

Gold (Second of 8 lectures, second series, complementing **Gold for the Gods** exhibition) Dr. Joseph Mandarino, curator, Department of Mineralogy and Geology, ROM. ROM Theatre. 8 p.m.

Arts and Science Council By-Election

Nominations for positions on the General Committee and other committees of the Faculty of Arts and Science Council will open on **Monday, Sept. 27.**

Nomination forms and a list of vacancies are available at the faculty office, 1006 Sidney Smith Hall, and at college and departmental offices. These forms must be returned to the **FACULTY OFFICE** no later than 4 p.m., **Friday, Oct. 8.** Forms received after that time will not be valid.

RESEARCH NEWS

Federal Make-or-buy Policy Extended to Human and Social Sciences

The Ministry of State for Science and Technology (MOSST) has announced an extension of its 1973 make-or-buy contracting policy to cover "on going research programs, related scientific activities as well as certain activities in the field of human and social sciences." MOSST intends the extension to include activities in "the broad areas of scientific data collection, information services, testing and standardization" and, in the field of human sciences, "urban studies, regional studies and transportation studies."

By the extension, the government intends to assure maximum industrial participation in emergent science programs concerned with the availability of food and energy, ocean management, the use of space, transportation, and environmental protection.

A possible implication of the policy development is that virtually all government research contracts will now be negotiated through the federal Department of Supply and Services under that department's guidelines, rather than directly with federal ministries.

Japanese Exchange of Scientists

The Japan Society for the Promotion of Science is prepared to support travel and maintenance costs for foreign researchers to work in Japan when a Japanese colleague working in the same research field is prepared to sponsor the applicant and to serve

as host scientist. Applications, to be requested from the Society by the host scientist, may be submitted in all categories of support during September-October; senior researchers may also apply in April-May. For details as to categories and further information, call 978-2163.

"Humans" Review MOH Applications Second Reminder

Applicants for research support

from the Ontario Ministry of Health are again reminded that the Ministry requires that a use of human subjects approval accompany a research proposal. In order that a valid "Humans" approval can be arranged before the application deadline on Nov. 1, protocols should be submitted to ORA one month in advance of that date.

For further information, call 978-5585.

Artist Paul Robeson subject of program

Paul Robeson — Artist of the 20th Century will be the subject of a program on Sept. 30 at 2.10 p.m. in Walter Hall, Edward Johnson Building. Speakers will be Phyllis Klotman, professor in the Afro-American Studies Department, Indiana University and Prof. Ezra Schabas, chairman of the Performance and Opera Department, U of T. The lecture, with slides and music from Robeson's career, will be followed by screenings of two films in which he starred: Eugene O'Neill's *Emperor Jones* and another.

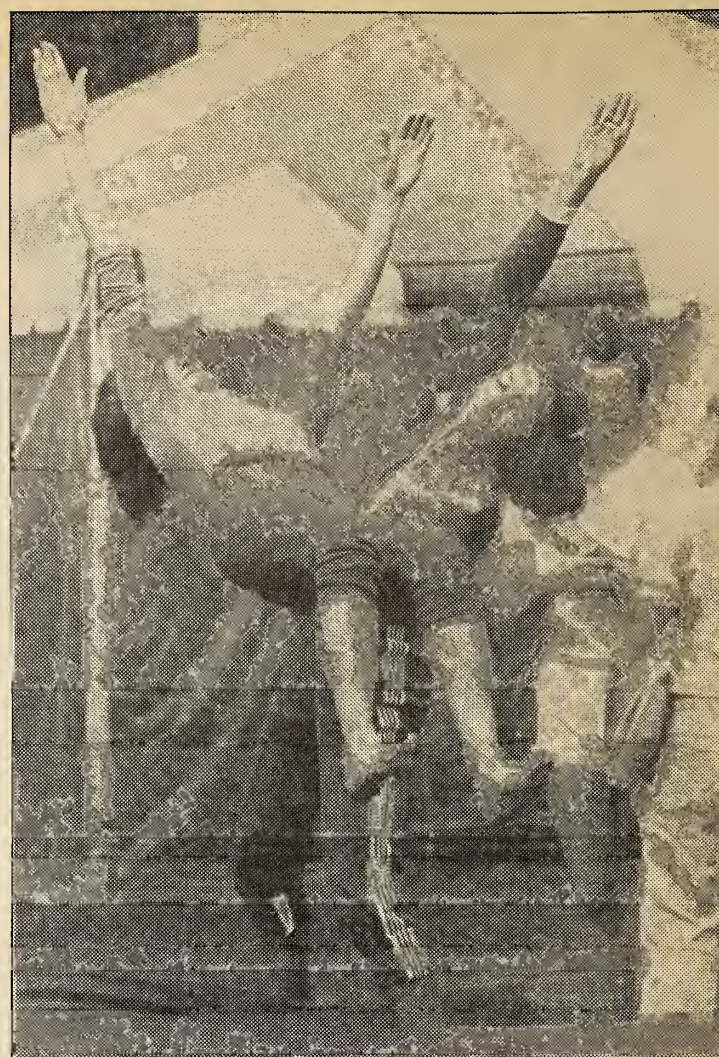
Prof. Klotman, head of the Affirmative Action Program on the Indiana campus, has lectured widely on Robeson and other leading black personalities in American history. Prof. Schabas has long been a Robeson admirer.

Paul Robeson was a versatile man. The son of a former slave, he was one of the first blacks to be

"permitted" to attend Rutgers University. He excelled in athletics and was an outstanding scholar, class valedictorian and Phi Beta Kappa. After graduating from Columbia University Law School he distinguished himself as an actor in London and New York and in films and concerts all over the world.

Robeson was a controversial figure. He was an outspoken opponent of racial prejudice and of American policies in the late 40s. His passport was withdrawn in 1950 and, unable to travel abroad, while his attitudes made him *persona non grata* at home, his performing career was effectively curtailed for a decade.

Robeson died last year. Admirers of the great basso however are able to continue to hear his rich voice on the many recordings he made, most of which are being re-released.



Janice Greenwood performs while Linda Coutts, coach of the Women's intercollegiate gymnastics team spots her. Instant experts from Olympics-watching can appreciate the fine points, others can just appreciate.

JOB OPENINGS

Below is a partial list of job openings at the University. Interested applicants should read the Promotional Opportunity postings on their staff bulletin boards, or telephone the personnel office for further information. The number in brackets following the name of the department in the list indicates the personnel officer responsible. Please call:

(1) Sylvia Holland, 978-6470; (2) Wendy Chin 978-5468; (3) Manfred Wewers, (978-4834; (4) Ann Sarsfield, 978-2112; (5) Beverley Chennell, 978-7308.

Clerk Typist II (\$7,000—8,230—9,460)

Personnel (4), Private Funding (1), Dentistry (1), Linguistics (1)

Clerk Typist II (\$7,660)

Science & Medicine Library (5)

Clerk Typist III (\$7,700—9,060—10,420)

Chemistry (1)

Secretary I (\$7,700—9,060—10,420)

Faculty Office, Arts & Science (1), Library Administrative Services (5), Information Services (1), Pharmacy (4)

Secretary II (\$8,470—9,970—11,460)

Division of Laboratory Animal Science —TEMP. (4), Vice-President Business Affairs (1), School of Graduate Studies (2)

Secretary III (\$9,330—10,970—12,620)

Astronomy (1), Dentistry (1), Faculty of Library Science (5)

Clerk IV (\$9,330—10,970—12,620)

Student Record Services (3), Nursing (4)

New committee formed

A Committee has been struck by the Provost of the University to review again the relationships between the Faculty of Music and the Royal Conservatory of Music as recommended by the Hamilton Committee in 1973. Specifically, the Committee has been asked:

1. To review the committee structure of the Conservatory, recommended by the Hamilton Committee, and to advise on its effectiveness.

2. To explore the role of the Conservatory in the University, in the community in general and in the educational system in Ontario.

3. To review the relationship between the Conservatory and the Faculty of Music with a view to improved integration of their programs.

The members of the Committee are as follows:

Mr. Keith Bissell, Director of Music, Scarborough Secondary School Board; Prof. W. A. Goffart, Department of History; Miss Irene McLellan, Royal Conservatory of Music; Prof. Ezra Schabas, Faculty of Music.

The Committee would welcome briefs or other written comment on the matters put before it. They should be sent to the Chairman, Principal A.C. H. Hallett, University College, University of Toronto, Toronto M5S 1A1 on or before **October 15, 1976.**